

**Autumnwood ESH Consultants, LLC**

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6 November 2015

Mr. John Nordine  
U.S. EPA Region 5  
RCRA Enforcement and Compliance Assurance Branch (LU-9J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois RCRA CMI Monthly Progress Report for October 2015

Dear Mr. Nordine:

Enclosed please find the RCRA CMI Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of October 2015.

The eDMR for the groundwater pump and treat facility and the laboratory analytical report, which includes the effluent data used in the eDMR for October 2015, are also attached to this report.

If you have any comments or questions regarding the progress of this project, please contact me at (262) 237-1130.

Sincerely,

**Autumnwood ESH Consultants, LLC**

John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Gerald W. Ruopp	Central Wire
	Robert Johnson	Central Wire

**MONTHLY PROGRESS REPORT**  
**Central Wire Union, Illinois Site**  
**October 2015**

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 652,000 gallons per day with a maximum daily flow of 656,000 gallons per day and met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for October 2015 is attached to this report.

The laboratory analytical report for the pump and treat effluent noted that the groundwater pump & treat effluent samples were collected on October 14 and arrived at the lab on October 15, 2015 at -1.4° C.

The [REDACTED] ran for a total of 70 hours from September 28 to November 2, 2015. The Kunde Road pump ran for 57 hours during this period. This is detailed by week in Table 1, below.

**Table 1**  
**Summary of 2015 Irrigation Pumping Hours per Week at [REDACTED]**  
**(September 28 through November 2, 2015)**

Date of Hour Meter Reading	[REDACTED]		[REDACTED]	
	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped
9/28/2015	5799	0	3585	0
10/5/2015	5805	6	3587	2
10/12/2015	5826	21	3601	14
10/19/2015	5854	28	3625	24
10/26/2015	5869	15	3641	16
11/2/2015	5869	0	3642	1
<b>Totals</b>		70		57

The groundwater level monitoring data from downgradient monitoring well DGW-2I for October 2015, precipitation and irrigation well pumping over the month have been graphed / plotted and are attached to this report as Table 2. The depth to water from the top of casing in DGW-2I on October 5, 2015 at 1559 hours was 6.74 feet. The depth to water on November 2, 2015 was 6.78 feet at 1117 hours. The net variation in groundwater levels over the month was 0.04 feet. The data logger is 30.25 feet below the top of casing; therefore, there were 23.47 feet of water above the data logger on November 2, 2015 (see line 2672 of the attached Water Level – Precip – 10-2015.xlsx file).

In October 2015, the groundwater elevation varied between a high of 815.022 feet above MSL on October 18, 2015 (at 1002 hours) to a low of 813.823 feet above MSL on October 28, 2015 (at 1332) hours resulting in a total of 1.199 foot variation over the month. There

was 0.15 inches of rainfall in October 2015 recorded by the National Weather Service at Harvard, IL. There was no rain recorded at the Marengo station.

**Summary of Validated Data and Results** – The monthly effluent sampling took place on October 14, 2015. The permit limitations and analytical results are shown in Table 3, below.

**Table 3**  
**Central Wire Union Illinois Pump & Treat Discharge Analytical Results**

Parameter	Effluent Limitation (Daily Maximum), µg/L	October 2015 Analytical Results, µg/L
1,1,1-Trichloroethane	20	< 0.38
Tetrachloroethene	20	< 0.37
Trichloroethene	20	0.47 J

J = Value is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.

The October NPDES analytical report is attached to this Monthly Progress Report.

This report also had environmental analytical results for the North Pond and South Pond. These ponds are Illinois EPA-regulated seepage ponds for Central Wire's rinse waters from the annealing process, non-contact cooling water, boiler blowdown and storm water.

2. **Upcoming Events/Activities Planned** – Central Wire will continue to operate the existing remediation systems. Effluent samples will be collected, analyzed and reported as required in our NPDES permit.
3. **Anticipated Problem Areas and Recommended Solutions** – None.
4. **Key Personnel Changes** – None.
5. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.